

**From:** [Harry Allen](#)  
**To:** [Greg Baker](#)  
**Cc:** [Albert Venosa](#); [Dave Wright](#); [Eric Delgado](#); [Gary Moore](#); [Marc Greenberg](#); [Nancy Jones](#); [Terry Burton](#)  
**Subject:** Re: Fw: Homogenizing and subsampling large containers of Deepwater source oil and weathered oil  
**Date:** 12/17/2010 08:51 PM  
**Attachments:** [Region 1 Soil Sampling SOP.pdf](#)  
[TVA OP-24 Drum Sampling SOP.pdf](#)

Yes we have SOPs for this, but for some reason I can't connect at epaossc.org. Meanwhile, I think the attached SOPs from EPA Region 1 (Soil, Sediment, Haz Waste) and the TVA (drummed oil and waste) should be able to help. Coring for solid waste and full column thief sampling are important where vertical stratification is possible. Number of subsamples and number of composite samples per unit being sampled are calculated based on the expected degree of homogeneity in the unit to be sampled. Samples all need to be preserved in such a way as to preserve the LSC fingerprint if identification is the goal.

If this sampling is for disposal only, RCRA has a whole set of SOPs you can use.

Harry



Region 1 Soil Sampling SOP.pdf TVA OP-24\_Drum Sampling SOP.pdf

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▼ Greg Baker ---12/17/2010 02:45:29 PM---These are two types of oil we are using for the NRDA: Source oil samples collected from vessels that

From: Greg Baker <Greg.Baker@noaa.gov>  
 To: Eric Delgado/R6/USEPA/US@EPA  
 Cc: Albert Venosa/C1/USEPA/US@EPA, Harry Allen/ERT/R2/USEPA/US@EPA, Marc Greenberg/ERT/R2/USEPA/US@EPA, Dave Wright/ERT/R2/USEPA/US@EPA, Nancy Jones/R6/USEPA/US@EPA, Gary Moore/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA  
 Date: 12/17/2010 02:45 PM  
 Subject: Re: Fw: Homogenizing and subsampling large containers of Deepwater source oil and weathered oil

These are two types of oil we are using for the NRDA:  
 Source oil samples collected from vessels that received oil collected

and pumped to the surface during the response, and Floating oil collected from skimming operations conducted by the response.

The question is whether EPA has specific protocols for ensuring the uniformity of samples collected from large containers.

Greg Baker

On 12/17/2010 6:02 AM, [Delgado.Eric@epamail.epa.gov](mailto:Delgado.Eric@epamail.epa.gov) wrote:

Greg,  
Would you please answer Al's followup question?

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**From:** Albert Venosa  
**Sent:** 12/17/2010 08:46 AM EST  
**To:** Eric Delgado  
**Cc:** Harry Allen; Marc Greenberg; Dave Wright; Nancy Jones; "Gary Moore" <[moore.gary@epa.gov](mailto:moore.gary@epa.gov)>  
**Subject:** Re: Fw: Homogenizing and subsampling large containers of Deepwater source oil and weathered oil

The message is unclear. Are these crude oil samples or samples of sediment contaminated with crude oil? I'd like to have a large supply of DWH crude oil if that's at all possible.

**AV**

**Albert D. Venosa, Ph.D.**  
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-----Eric Delgado/R6/USEPA/US wrote: -----

To: Harry Allen/ERT/R2/USEPA/US@EPA, Albert Venosa/CI/USEPA/US@EPA, Marc Greenberg/ERT/R2/USEPA/US@EPA, Dave Wright/ERT/R2/USEPA/US@EPA  
From: Eric Delgado/R6/USEPA/US  
Date: 12/16/2010 10:26PM  
Cc: Nancy Jones/R6/USEPA/US@EPA, "Gary Moore" <[moore.gary@epa.gov](mailto:moore.gary@epa.gov)>  
Subject: Fw: Homogenizing and subsampling large containers of Deepwater source oil and weathered oil

Calling all EPA Brainiacs....

Hey, guys I got this request from NOAA and thought you guys might be able to help. Please let me know if you are able to assist with this effort.

Thanks

Eric Delgado  
Federal On-Scene Coordinator  
US EPA Region 6  
1445 Ross Ave (6SF-PR)  
Suite 1200  
Dallas, TX 75202  
214-437-9809

-----Forwarded by Eric Delgado/R6/USEPA/US on 12/16/2010 09:23PM -----

To: Eric Delgado/R6/USEPA/US@EPA  
From: Greg Baker <[Greg.Baker@noaa.gov](mailto:Greg.Baker@noaa.gov)>  
Date: 12/16/2010 05:39PM  
Cc: Robert A Taylor <[Robert.A.Taylor@noaa.gov](mailto:Robert.A.Taylor@noaa.gov)>  
Subject: Homogenizing and subsampling large containers of Deepwater source oil and weathered oil

Attorney-Client Communication

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Greg Baker, NOAA